

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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OCT 26 2009
HOBSOCD

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144 CLEZ
July 21, 2008

For closed-loop systems that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, submit to the appropriate NMOC District Office.

Closed-Loop System Permit or Closure Plan Application

(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

Type of action: ☒ Permit ☒ Closure

Instructions: Please submit one application (Form C-144 CLEZ) per individual closed-loop system request. For any application request other than for a closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144.

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1. Operator: <u>Petrohawk Operating Co</u>		OGRID #:
Address: <u>1000 Louisiana St. Suite 5600</u>		<u>Houston Tx 77002</u>
Facility or well name: <u>State of NM 35 #2</u>		
API Number: <u>30-025-39081</u>	OCD Permit Number: <u>PI-00299</u>	
U/L or Qtr/Qtr <u>G</u>	Section <u>35</u>	Township <u>16</u> Range <u>34</u> County: <u>Lea</u>
Center of Proposed Design: Latitude <u>32.8803922</u>		Longitude <u>103.5280904</u> NAD: <input checked="" type="checkbox"/> 1927 <input checked="" type="checkbox"/> 1983
Surface Owner: <input type="checkbox"/> Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Tribal Trust or Indian Allotment		

2. <input checked="" type="checkbox"/> Closed-loop System: Subsection H of 19.15.17.11 NMAC	
Operation: <input checked="" type="checkbox"/> Drilling a new well <input type="checkbox"/> Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) <input type="checkbox"/> P&A	
<input type="checkbox"/> Above Ground Steel Tanks or <input checked="" type="checkbox"/> Haul-off Bins	

3. Signs: Subsection C of 19.15.17.11 NMAC	
<input checked="" type="checkbox"/> 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
<input type="checkbox"/> Signed in compliance with 19.15.3.103 NMAC	

4. Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC	
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.	
<input checked="" type="checkbox"/> Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
<input checked="" type="checkbox"/> Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	
<input type="checkbox"/> Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
<input type="checkbox"/> Previously Approved Design (attach copy of design)	API Number: _____
<input type="checkbox"/> Previously Approved Operating and Maintenance Plan	API Number: _____

5. Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)	
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.	
Disposal Facility Name: <u>Sundance</u>	Disposal Facility Permit Number: <u>NM-01-003</u>
Disposal Facility Name: _____	Disposal Facility Permit Number: _____
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?	
<input type="checkbox"/> Yes (If yes, please provide the information below) <input type="checkbox"/> No	
Required for impacted areas which will not be used for future service and operations:	
<input type="checkbox"/> Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
<input type="checkbox"/> Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC	
<input type="checkbox"/> Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	

6. Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.	
Name (Print): <u>Erin P. Fontenot</u>	Title: <u>Division Consultant</u>
Signature: <u>[Signature]</u>	Date: <u>8/4/2009</u>
e-mail address: <u>EFONTENOT@PETROHAWK.COM</u>	Telephone: <u>832-369-2193</u>

7. **OCD Approval:** ☐ Permit Application (including closure plan) ☒ Closure Plan (only)

OCD Representative Signature: *Emily W. Hill* Approval Date: OCT 29 2009

Title: DISTRICT 1 SUPERVISOR OCD Permit Number: PI - 00299

8. **Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☒ Closure Completion Date: 11-10-2008

9. **Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**

Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: Sundance Disposal Facility Permit Number: NM 01 003

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☒ No

Required for impacted areas which will not be used for future service and operations:

- ☐ Site Reclamation (Photo Documentation)
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique

10. **Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

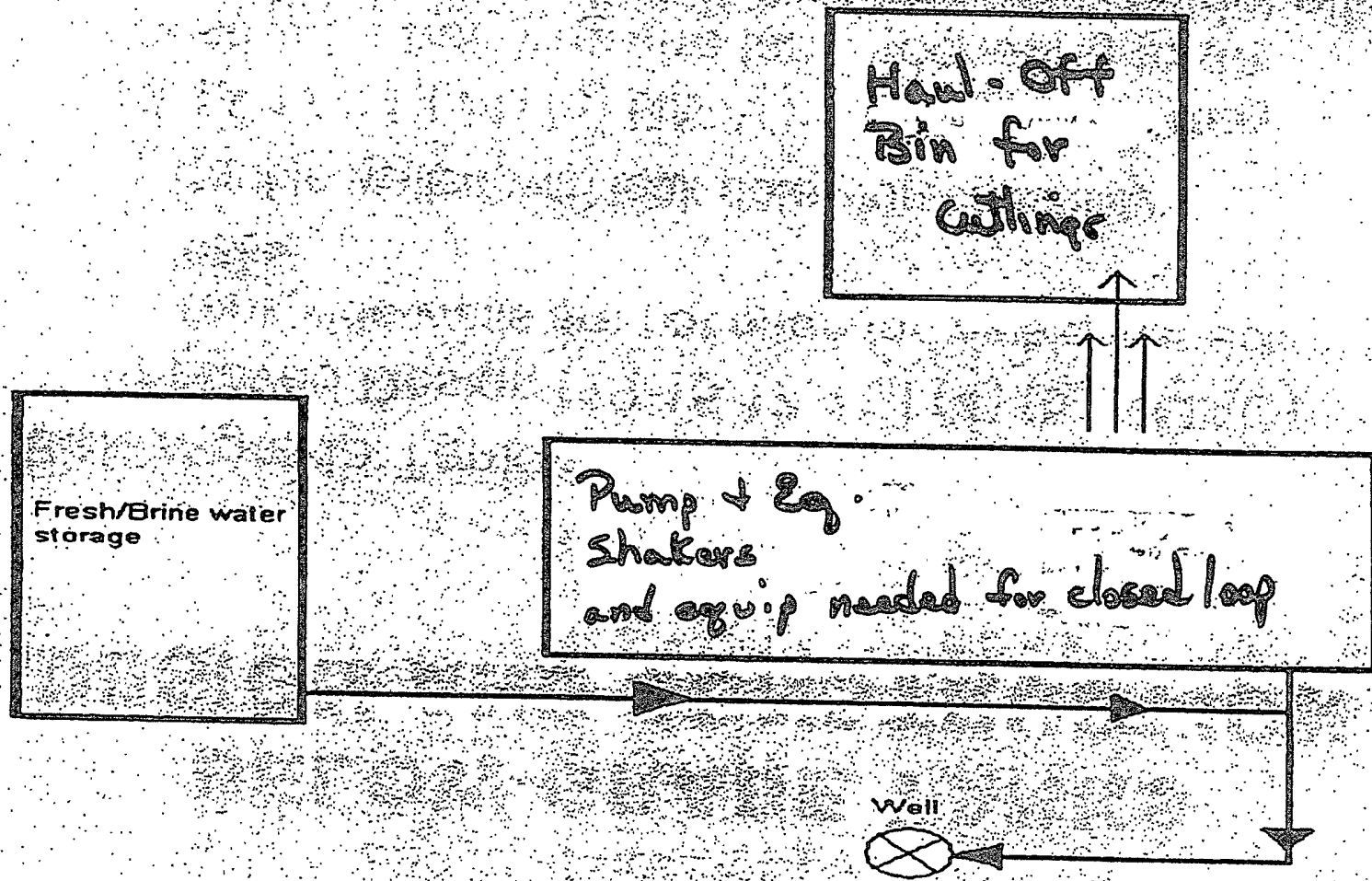
Name (Print): Jan McCright Title: Superintendent

Signature: *Jan McCright* Date: 10-22-2009

e-mail address: jmcright@petrohawk.com Telephone: 432-620-9099

Emily W. Hill

CLOSED-LOOP SYSTEM DESIGN AND CONSTRUCTION



CLOSED LOOP DESIGN PLAN

**PETROHAWK OPERATING
STATE OF NM 35 #2
LEA CO., NM**

EQUIPMENT

2-250 bbl tanks for holding fluids
2-solids bins with track system
3-500 bbl tanks for fresh water
3-500 bbl tanks for brine water

OPERATION AND MAINTENANCE

System will be maintained 24 hours by solids control personnel that will stay on location.
Any and all leaks will be repaired and/or contained immediately.
OCD will be notified within 48 hours of remediation process started.
Will adhere to Rule 116.

CLOSURE PLAN

During drilling operations, all cutting, drill solids, drill fluids and all liquids will be hauled off by Closed Loop Specialties to Sundance, Permit #NM 01-003.

GROUNDWATER

Per OCD information and State Engineer data, the groundwater occurs at a depth of 80' to 85'.